

EENS Job Risk Assessment

Name(s) of Risk Team Members: P. Vanier, L. Forman, J. Lemley, C. Finrock, N.Contos, J. Madaia	Point Value → Parameter ↓	1	2	3	4	5
Job Title: Radioactive Sealed Source (SRS) Use Job Number or Job Identifier: EENS-JRA-023 JRA Date:	Frequency (B)	≤once/year	≤once/month	≤once/week	≤once/shift	>once/shift
Job Description: Use and control of sealed radioactive sources.	Severity (C)	First Aid Only	Medical Treatment	Lost Time	Partial Disability	Death or Permanent Disability
	Likelihood (D)	Extremely Unlikely	Unlikely	Possible	Probable	Multiple
Training and Procedure List (Optional): SBMS SA						
Approved by: Date: 1/25/06 Rev. #: Draft						
Stressors (if applicable, please list all): none		Reason for Revision (if applicable):			Comments:	

					Before Additional Controls						After Additional Controls					
Job Step / Task	Hazard	Control(s)	Stressors Y/N	# of People A	Frequency B	Severity C	Likelihood D	Risk* AxBxCxD	Control(s) Added to Reduce Risk	Stressors Y/N	# of People A	Frequency B	Severity C	Likelihood D	Risk* AxBxCxD	% Risk Reduction

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				Before Additional Controls						After Additional Controls						
Job Step / Task	Hazard	Control(s)	Stressors Y/N	# of People A	Frequency B	Severity C	Likelihood D	Risk* AxBxCxD	Control(s) Added to Reduce Risk	Stressors Y/N	# of People A	Frequency B	Severity C	Likelihood D	Risk* AxBxCxD	% Risk Reduction
Removing or returning source to storage box	Radiation exposure	Training, enclosure, postings, procedures, Tier I, Dosimetry, PPE, ESR, RWP, RadCon Manual, Work Planning and Control Documents, remote handling, ALARA principles- time distance shielding, access controls, SRS SBMS SA	N	1	4	1	1	4								
	Spread of radiological contamination	Training, enclosure, postings, procedures, Tier I, Dosimetry, PPE, ESR, RWP, RadCon Manual, Work Planning and Control Documents, SRS SBMS SA, semi-annual leak checks	N	1	2	1	2	4								
Using a Sealed Source	Radiation exposure	Training, enclosure, interlocks, postings, procedures, Tier I, Dosimetry, PPE, ESR, RWP, RadCon Manual, Work Planning and Control Documents, remote handling, ALARA principles- time distance shielding, access controls, SRS SBMS SA	N	1	3	1	1	3								

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Job Step / Task	Hazard	Control(s)	Stressors Y/N	# of People A	Frequency B	Severity C	Likelihood D	Risk* AxBxCxD	Control(s) Added to Reduce Risk	Stressors Y/N	# of People A	Frequency B	Severity C	Likelihood D	Risk* AxBxCxD	% Risk Reduction
	Radiological contamination from leaking source	Training, enclosure, postings, procedures, Tier I, Dosimetry, PPE, ESR, RWP, RadCon manual, Work Planning and Control Documents, proper maintenance, SRS SBMS SA, semi-annual leak checks	N	1	2	1	1	2								
Using a Windowless Radioactive Source	Radiation exposure	Training, interlocks, enclosure, postings, procedures, Tier I, Dosimetry, PPE, ESR, RWP, RadCon manual, Work Planning and Control Documents, ALARA principles- time distance shielding, SRS SBMS SA	N	1	3	1	1	3								
	Radiological contamination from touching source	Training, interlocks, enclosure, postings, procedures, Tier I, Dosimetry, PPE, ESR, RWP, RadCon manual, Work Planning and Control Documents, SRS SBMS SA, semi-annual leak checks	N	1	3	1	1	3								

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Job Step / Task	Hazard	Control(s)	Stressors Y/N	# of People A	Frequency B	Severity C	Likelihood D	Risk* AxBxCxD	Control(s) Added to Reduce Risk	Stressors Y/N	# of People A	Frequency B	Severity C	Likelihood D	Risk* AxBxCxD	% Risk Reduction
Transporting SRS to another building on site	Radiation exposure	Training, enclosure, postings, procedures, Tier I, Dosimetry, PPE, ESR, RWP, RadCon Manual, Work Planning and Control Documents, remote handling, ALARA principles- time distance shielding, access controls, SRS SBMS SA	N	1	4	1	1	4								
	Vehicle Accident	See JRA-														
Inventory of Sources	Radiation exposure	Training, enclosure, postings, procedures, Tier I, Dosimetry, PPE, ESR, RWP, RadCon Manual, Work Planning and Control Documents, remote handling, ALARA principles- time distance shielding, access controls, SRS SBMS SA	N	1	2	1	1	2								
Further Description of Controls Added to Reduce Risk:																
*Risk:	0 to 20 Negligible	21 to 40 Acceptable	41 to 60 Moderate			61 to 80 Substantial			81 or greater Intolerable							